

**The Contents of Case 10031216US09152003**

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Qnum	Query	DB Name	Thesaurus	Operator	Plural
Q1	435/161	USPT	None	ADJ	YES
Q2	435/163	USPT	None	ADJ	YES
Q3	435/165	USPT	None	ADJ	YES
Q4	435/162	USPT	None	ADJ	YES
Q5	435/252.1	USPT	None	ADJ	YES
Q6	435/255.1	USPT	None	ADJ	YES
Q7	435/255.2	USPT	None	ADJ	YES
Q8	435/255.21	USPT	None	ADJ	YES
Q9	435/252.9	USPT	None	ADJ	YES
Q10	435/253.6	USPT	None	ADJ	YES
Q11	Q1 and Q10	USPT	None	ADJ	YES
Q12	Q1 and Q2	USPT	None	ADJ	YES
Q13	Q3 and Q12	USPT	None	ADJ	YES
Q14	Q4 and Q13	USPT	None	ADJ	YES
Q15	Q5 and Q14	USPT	None	ADJ	YES
Q16	Q9 and Q14	USPT	None	ADJ	YES
Q17	Q10 and Q14	USPT	None	ADJ	YES
Q18	Q11 and Q14	USPT	None	ADJ	YES
Q19	Q6 and Q7	USPT	None	ADJ	YES
Q20	Q8 and Q19	USPT	None	ADJ	YES
Q21	Q14 and Q20	USPT	None	ADJ	YES
Q22	Wood near5 (soft or hard)	USPT	None	ADJ	YES
Q23	(Acid or alkaline) near5 (hydrolyzate or hydrolysate or hydrolys\$5 or hydrolyz\$5)	USPT	None	ADJ	YES
Q24	remove same (furfural or ((phenol\$6 or lignin) near5 by-product))L23	USPT	None	ADJ	YES
Q25	remove near5 (furfural or ((phenol\$6 or lignin) near5 by-product))L23	USPT	None	ADJ	YES
Q26	remove and (furfural or ((phenol\$6 or lignin) near5 by-product))L23	USPT	None	ADJ	YES
Q27	(separat\$5 or isolat\$6) near5(furfural or ((phenol\$6 or lignin) near5 by-product))L23	USPT	None	ADJ	YES
Q28	(furfural or ((phenol\$6 or lignin) near5 by-product))L23	USPT	None	ADJ	YES
Q29	(furfural or ((phenol\$6 or lignin) near5 by-product))	USPT	None	ADJ	YES

Q30	metal oxide near5 (metal or titanium or vanadium orzirconium)L29	USPT	None	ADJ	YES
Q31	oxide near5 (metal or titanium or vanadium orzirconium)L29	USPT	None	ADJ	YES
Q32	oxide near5 (metal or titanium or vanadium orzirconium)	USPT	None	ADJ	YES
Q33	((absorb\$9 or adsorp\$8) near5 complex) near5 ((biomass or wood) near5 hydrolyz\$6 or hydrolys\$6)	USPT	None	ADJ	YES
Q34	Q32 AND Q33	USPT	None	ADJ	YES
Q35	Q22 AND Q23	USPT	None	ADJ	YES
Q36	((absorb\$9 or adsorp\$8) near5 complex)	USPT	None	ADJ	YES
Q37	Q32 AND Q36	USPT	None	ADJ	YES
Q38	Q35 AND Q37	USPT	None	ADJ	YES
Q39	Q29 AND Q36	USPT	None	ADJ	YES
Q40	Q35 AND Q29	USPT	None	ADJ	YES
Q41	Q37 AND Q40	USPT	None	ADJ	YES
Q42	Q30 AND Q40	USPT	None	ADJ	YES
Q43	Q37 AND Q32	USPT	None	ADJ	YES
Q44	Q35 AND Q40	USPT	None	ADJ	YES
Q45	Q43 AND Q44	USPT	None	ADJ	YES
Q46	Q39 AND Q40	USPT	None	ADJ	YES
Q47	REMOVE NEAR5 Q29	USPT	None	ADJ	YES
Q48	Q35 AND Q47	USPT	None	ADJ	YES
Q49	Q35 AND Q33	USPT	None	ADJ	YES
Q50	Q35 AND Q32	USPT	None	ADJ	YES
Q51	Q36 AND Q50	USPT	None	ADJ	YES
Q52	Q29 AND (ADSORB\$ NEAR5 COMPLEX)	USPT	None	ADJ	YES
Q53	Q32 AND Q52	USPT	None	ADJ	YES
Q54	Q50 AND Q53	USPT	None	ADJ	YES
Q55	Q52 AND Q35	USPT	None	ADJ	YES
Q56	REMOVE NEAR5( WOOD HYDROLYSATE NEAR5 FURFURAL OR LIGNIN BY-PRODUCT)	USPT	None	ADJ	YES
Q57	Q48 AND METAL OXIDE	USPT	None	ADJ	YES
Q58	Q29 AND METAL OXIDE	USPT	None	ADJ	YES
Q59	Q35 AND Q58	USPT	None	ADJ	YES
Q60	Q59AND Q32	USPT	None	ADJ	YES
Q61	(METAL OR TITANIUM) NEAR5 OXIDE	USPT	None	ADJ	YES
Q62	Q59 AND Q61	USPT	None	ADJ	YES
Q63	((FUEL ETHANOL) OR ETHANOL OR FUEL) NEAR5 (YEAST OR sACCHAROMYCES OR CANDIDA OR PACHYSOLEN OR PICHIA)	USPT	None	ADJ	YES

Q64	Q62 AND Q35	USPT	None	ADJ	YES
Q65	Q63 AND Q35	USPT	None	ADJ	YES
Q66	Q64 AND Q65	USPT	None	ADJ	YES
Q67	jEFFRIES\$IN.	USPT	None	ADJ	YES
Q68	Q67 AND Q35	USPT	None	ADJ	YES
Q69	((FUEL ETHANOL) OR ETHANOL OR FUEL)	USPT	None	ADJ	YES
Q70	Q35 AND Q69	USPT	None	ADJ	YES
Q71	Q67 AND Q70	USPT	None	ADJ	YES
Q72	5126266 pn.	USPT	None	ADJ	YES
Q73	Wood near5 (soft or hard)	JPAB,EPAB,DWPI	None	ADJ	YES
Q74	(Acid or alkaline) near5 (hydrolyzate or hydrolysate or hydrolys\$5 or hydrolyz\$5)	JPAB,EPAB,DWPI	None	ADJ	YES
Q75	(furfural or ((phenol\$6 or lignin) near5 by-product))	JPAB,EPAB,DWPI	None	ADJ	YES
Q76	oxide near5 (metal or titanium or vanadium or zirconium)	JPAB,EPAB,DWPI	None	ADJ	YES
Q77	(METAL OR TITANIUM) NEAR5 OXIDE	JPAB,EPAB,DWPI	None	ADJ	YES
Q78	((FUEL ETHANOL) OR ETHANOL OR FUEL) NEAR5 (YEAST OR sACCHAROMYCES OR CANDIDA OR PACHYSOLEN OR PICHLIA)	JPAB,EPAB,DWPI	None	ADJ	YES
Q79	((FUEL ETHANOL) OR ETHANOL OR FUEL) AND (YEAST OR SACCHAROMYCES OR CANDIDA OR PACHYSOLEN OR PICHLIA)	JPAB,EPAB,DWPI	None	ADJ	YES
Q80	Wood AND (soft or hard)	JPAB,EPAB,DWPI	None	ADJ	YES
Q81	(Acid or alkaline) AND (hydrolyzate or hydrolysate or hydrolys\$5 or hydrolyz\$5)	JPAB,EPAB,DWPI	None	ADJ	YES
Q82	(furfural or ((phenol\$6 or lignin) AND by-product))	JPAB,EPAB,DWPI	None	ADJ	YES
Q83	(METAL OR TITANIUM) NEAR5 OXIDE	JPAB,EPAB,DWPI	None	ADJ	YES
Q84	(METAL OR TITANIUM) AND OXIDE	JPAB,EPAB,DWPI	None	ADJ	YES
Q85	jEFFRIES\$IN.	JPAB,EPAB,DWPI	None	ADJ	YES
Q86	SREENATH AND JEFFRIES	JPAB,EPAB,DWPI	None	ADJ	YES
Q87	((FUEL ETHANOL) OR ETHANOL OR FUEL)	JPAB,EPAB,DWPI	None	ADJ	YES
Q88	REMOVE AND Q82	JPAB,EPAB,DWPI	None	ADJ	YES
Q89	(ADSORB\$5 AND COMPLEX) AND Q82	JPAB,EPAB,DWPI	None	ADJ	YES
Q90	METAL OXIDE AND Q82	JPAB,EPAB,DWPI	None	ADJ	YES
Q91	Q90 AND Q84	JPAB,EPAB,DWPI	None	ADJ	YES
Q92	Q90 AND Q91	JPAB,EPAB,DWPI	None	ADJ	YES
Q93	Q80 AND Q81	JPAB,EPAB,DWPI	None	ADJ	YES
Q94	Q92 AND Q93	JPAB,EPAB,DWPI	None	ADJ	YES

Q95	Q88 AND Q93	JPAB,EPAB,DWPI	None	ADJ	YES
Q96	Q82 AND Q83	JPAB,EPAB,DWPI	None	ADJ	YES
Q97	Q93 AND Q96	JPAB,EPAB,DWPI	None	ADJ	YES
Q98	Q79 AND Q93	JPAB,EPAB,DWPI	None	ADJ	YES
Q99	Q93 AND Q82	JPAB,EPAB,DWPI	None	ADJ	YES
Q100	Q87 AND Q99	JPAB,EPAB,DWPI	None	ADJ	YES
Q101	YEAST AND Q99	JPAB,EPAB,DWPI	None	ADJ	YES
Q102	Q84 AND Q99	JPAB,EPAB,DWPI	None	ADJ	YES

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